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DESCRIPTORS: *Petroleum, *Naphthalenes, *Hydrocarbons, Molecular structure, Molecular weight, Physical chemistry, Ultraviolet spectroscopy, Infrared spectroscopy, Fractionation, Hydrogenation

The chemical nature of condensed aromatic hydrocarbons of high molecular weight in Radchenkovo crude. (Chemistry--Organic, TT, v. 7, no. 7) (over)

I. Sergienko, S. R.
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Office of Technical Services

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DESCRIPTORS: *Hydrocarbons, Catalysts, *Octanes,
*Heptanes.

The mechanism of conversion of paraffin hydrocarbons
to aromatic hydrocarbons is discussed. The relative
velocities of aromatization of normal heptane and
normal octane were investigated and normal octane was
shown to undergo aromatization at a velocity 1.5 times
higher than normal heptane. With periodic regenera-
tion every 2-12 hours, the catalyst may remain active
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